



MOlecules and DUst at LOw metallicity: MODULO

Confronting observations and theory

ISSI Meeting, March, 2010

Molecule (2005), Neale Marriott

Thursday, 11 March

Theory: Chemical enrichment models and the evolution of the ISM

09:00-09:20	<i>Maurizio Falanga</i>	Welcome ISSI
09:20-09:35	<i>Leslie Hunt</i>	Introduction to MODULO: Active/passive star formation
09:45-10:05	<i>Laura Magrini</i>	Chemical evolution models and molecular clouds
10:15-10:35	<i>Donatella Romano & Monica Tosi</i>	Chemical evolution models and stellar yields
10:45-11:05	<i>Simone Bianchi (for Rosa Valiante & Raffaella Schneider)</i>	Evolution of chemical abundances and dust grain populations
11:15-11:45	COFFEE BREAK	
11:45-13:00		<i>DISCUSSION, BRAIN STORMING</i>
13:00-14:30	LUNCH	
14:30-14:50	<i>Stephanie Cazaux (& Marco Spaans)</i>	Molecule formation and diagnostics in the early Universe (and at low metallicity)
15:00-15:20	<i>Daniele Galli</i>	Primordial star formation and magnetic fields
15:30-15:50	<i>Simone Bianchi</i>	Radiative transport in a dusty medium
16:00-17:00	COFFEE BREAK	<i>DISCUSSION, BRAIN STORMING</i>
17:00		<i>ISSI Welcome Drink</i>

Friday, 12 March

Observations: Constraints on different phases of a metal-poor ISM

09:00-09:20	<i>Leslie Hunt</i>	Molecules at low metallicity: A case study
09:30-09:50	<i>Santiago Garcia-Burillo</i>	Molecular tracers of activity in galaxies
10:00-10:20	<i>Paola Caselli</i>	Dependence of dust grain-molecular chemistry on physical conditions in the ISM
10:30-10:50	<i>Roberto Maiolino</i>	Ionized gas and molecular tracers as probes of the early Universe
11:00-11:30	COFFEE BREAK	
11:30-13:00		<i>DISCUSSION, BRAIN STORMING</i>
13:00-15:00	LUNCH	
15:00-17:00		<i>DISCUSSION AND CLOSING (WHAT NOW?)</i>

Participants

Simone Bianchi	Paola Caselli	Stephanie Cazaux
Daniele Galli	Santiago Garcia-Burillo	Christian Henkel
Leslie Hunt	Laura Magrini	Roberto Maiolino
Donatella Romano	Monica Tosi	